Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-29 (canceled).

30 (currently amended) A method of treating a neoplastic disease in an animal <u>in need thereof</u> comprising administering <u>to the animal</u> a therapeutically effective amount of a compound of claim 1 to the animal the formula (I):

$$R_n$$
 NH_2
 N
 R_2
 $X-Z-R_1$

<u>(I)</u>

wherein:	X is -CHR ₃ -, -CHR ₃ -alkyl-, or -CHR ₃ -alkenyl-;
	Z is $-S$ -, $-SO$ -, or $-SO_2$ -;
	R ₁ is selected from the group consisting of:
	-alkyl;
	<u>-aryl;</u>
	-heteroaryl;
	-heterocyclyl;
	-alkenyl;
	-R ₄ -aryl;
	-R ₄ - heteroaryl;
	-R ₄ -heterocyclyl;
	R ₂ is selected from the group consisting of:
	-hydrogen;

alkyl;
-alkenyl;
aryl;
-heteroaryl;
-heterocyclyl;
-alkyl-Y-alkyl;
alkyl-Y-alkenyl;
-alkyl-Y-aryl; and
- alkyl or alkenyl substituted by one or more substituents selected from the
group consisting of:
OH;
-halogen;
$-N(R_3)_2$;
$\underline{-\text{CO-N}(R_3)_2};$
-CO-C ₁₋₁₀ alkyl;
-CO-O-C ₁₋₁₀ alkyl;
<u>-N₃;</u>
aryl;
heteroaryl;
-heterocyclyl;
-CO-aryl; and
-CO-heteroaryl;
each R ₃ is independently H or C ₁₋₁₀ alkyl;
R ₄ is alkyl or alkenyl;
Y is $-O-$ or $-S(O)_{0-2}$ -;
n is 0; and
each R present is independently selected from the group consisting of C ₁₋₁₀ alkyl,
C ₁₋₁₀ alkoxy, hydroxy, halogen and trifluoromethyl;
or a pharmaceutically acceptable salt thereof, that induces cytokine biosynthesis.

31-38 (canceled)

39 (currently amended) A method of treating a neoplastic disease in an animal <u>in need thereof</u> comprising administering <u>to the animal</u> a therapeutically effective amount of a compound of claim 13 to the animal the formula (II):

(II)

	(111)
wherein:	X is $-CHR_3$ -, $-CHR_3$ -alkyl-, or $-CHR_3$ -alkenyl-;
·	Z is $-S$ -, $-SO$ -, or $-SO_2$ -;
	R ₁ is selected from the group consisting of:
	-alkyl;
	<u>-aryl;</u>
	-heteroaryl;
	-heterocyclyl;
	-alkenyl;
	-R ₄ -aryl;
	-R ₄ - heteroaryl; and
	-R ₄ -heterocyclyl;
	R_2 is selected from the group consisting of:
	-hydrogen;
	-alkyl;
	-alkenyl;
	aryl;
	-heteroaryl;
	-heterocyclyl;
	-alkyl-Y-alkyl;
	- alkyl-Y- alkenyl;

-alkyl-Y-aryl; and

- alkyl or alkenyl substituted by one or more substituents selected from the

group consisting of:

_____-OH;

-halogen;

 $-N(R_3)_2;$

-CO-N(R₃)₂;

<u>-CO-C₁₋₁₀ alkyl;</u>

-CO-O-C₁₋₁₀ alkyl;

-N₃;

<u>-aryl;</u>

-heteroaryl;

-heterocyclyl;

-CO-aryl; and

-CO-heteroaryl;

each R₃ is independently H or C₁₋₁₀ alkyl;

R₄ is alkyl or alkenyl;

Y is -O or $-S(O)_{0-2}$;

n is 0; and

each R present is independently selected from the group consisting of C_{1-10} alkyl, C_{1-10} alkoxy, hydroxy, halogen and trifluoromethyl;

or a pharmaceutically acceptable salt thereof, that induces cytokine biosynthesis.

40-43 (canceled)

44 (currently amended) A method of treating a neoplastic disease in an animal <u>in need thereof</u> comprising administering <u>to the animal</u> a therapeutically effective amount of a compound of claim 24 to the <u>animal selected from the group consisting of:</u>

1-[5-(methylsulfonyl)pentyl]-2-propyl-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

 $\underline{\text{2-methyl-1-[3-(methylthio)propyl]-1}} - \underline{\text{1}}\underline{\text{H-imidazo[4,5-c]}} - \underline{\text{quinolin-4-amine;}}$

2-methyl-1-[3-(methylsulfonyl)propyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

2-ethyl-1-[3-(methylthio)propyl]-1H-imidazo[4,5-c]quinolin-4-amine;

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2-ethyl-1-[3-(methylsulfonyl)propyl]-1H-imidazo[4,5-c]quinolin-4-amine;
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2-methyl-1-[4-(methylthio)butyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

2-methyl-1-[4-(methylsulfinyl)butyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

2-ethyl-1-[4-(methylthio)butyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

2-ethyl-1-[4-(methylsulfonyl)butyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

1-[4-(methylsulfonyl)butyl]-2-propyl-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

2-butyl-1-[4-(methylsulfinyl)butyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

2-methyl-1-[2-(methylthio)ethyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

2-methyl-1-[2-(methylsulfonyl)ethyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

2-methyl-1-[4-(methylsulfonyl)butyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

2-ethyl-1-[2-(methylsulfonyl)ethyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

1-[2-(methylsulfonyl)ethyl]-2-propyl-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

2-butyl-1-{4-[(2,4-difluorophenyl)thio]butyl}-1H-imidazo[4,5-c]quinolin-4-amine;

2-butyl-1-{4-[(2,4-difluorophenyl)sulfonyl]butyl}-1H-imidazo[4,5-c]quinolin-4-amine;

2-butyl-1-[4-(ethylsulfonyl)butyl]-1*H*-imidazo[4,5-*c*]quinoline-4-amine;

2-butyl-1-{4-[(1,1-dimethylethyl)thio]butyl}-1*H*-imidazo[4,5-*c*]quinoline-4-amine;

2-butyl-1-{4-[(4-fluorophenyl)thio]butyl}-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

2-butyl-1-{4-[(4-fluorophenyl)sulfonyl]butyl}-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

2-ethyl-1-{4-[(1-methylethyl)thio]butyl}-1*H*-imidazo[4,5-*c*]quinoline-4-amine;

1-{4-[(3,5-dichlorophenyl)thio]butyl}-2-ethyl-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

1-[4-(cyclopentylsulfonyl)butyl]-2-ethyl-1*H*-imidazo[4,5-*c*]quinoline-4-amine;

1-{4-[(3,5-dichlorophenyl)sulfonyl]butyl}-2-ethyl-1H-imidazo[4,5-c]quinolin-4-amine;

1-[4-(cyclohexylthio)butyl]-2-ethyl-1*H*-imidazo[4,5-c]quinoline-4-amine;

1-[4-(butylthio)butyl]-2-ethyl-1*H*-imidazo[4,5-*c*]quinoline-4-amine;

1-{4-[(4-chlorophenyl)thio]butyl}-2-ethyl-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

1-[4-(butylsulfonyl)butyl]-2-ethyl-1*H*-imidazo[4,5-*c*]quinoline-4-amine;

2-ethyl-1-{4-[(4-fluorophenyl)thio]butyl}-1H-imidazo[4,5-c]quinolin-4-amine;

2-ethyl-1-{4-[(1-methylethyl)sulfonyl]butyl}-1H-imidazo[4,5-c]quinoline-4-amine;

2-ethyl-1-[4-(ethylthio)butyl]-1H-imidazo[4,5-c]quinoline-4-amine;

2-ethyl-1-[4-(ethylsulfonyl)butyl]-1H-imidazo[4,5-c]quinoline-4-amine;

1-[4-(cyclohexylsulfonyl)butyl]-2-ethyl-1*H*-imidazo[4,5-*c*]quinoline-4-amine;

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- 2-butyl-1-{2-[(1-methylethyl)sulfonyl]ethyl}-1*H*-imidazo[4,5-*c*]quinoline-4-amine;
- 2-butyl-1-[2-(phenylsulfonyl)ethyl]-1*H*-imidazo[4,5-*c*]quinoline-4-amine;
- 2-butyl-1-{2-[(4-fluorophenyl)sulfonyl]ethyl}-1*H*-imidazo[4,5-*c*]quinolin-4-amine;
- 2-butyl-1-{2-[(1,1-dimethylethyl)sulfonyl]ethyl}-1*H*-imidazo[4,5-*c*]quinolin-4-amine;
- 2-butyl-1-{2-[(1,1-dimethylethyl)thio]ethyl}-1*H*-imidazo[4,5-*c*]quinolin-4-amine;
- 2-butyl-1-[2-(propylsulfonyl)ethyl]-1*H*-imidazo[4,5-*c*]quinoline-4-amine;
- 2-butyl-1-[2-(propylthio)ethyl]-1*H*-imidazo[4,5-*c*]quinoline-4-amine;
- 2-butyl-1-{2-[(2-methylpropyl)sulfonyl]ethyl}-1H-imidazo[4,5-c]quinolin-4-amine;
- 2-butyl-1-{2-[(2-methylpropyl)thio]ethyl}-1*H*-imidazo[4,5-*c*]quinolin-4-amine;
- 2-butyl-1-[2-(ethylsulfonyl)ethyl]-1*H*-imidazo[4,5-*c*]quinoline-4-amine;
- 2-butyl-1-[2-(ethylthio)ethyl]-1*H*-imidazo[4,5-*c*]quinoline-4-amine;
- 2-butyl-1-[2-(methylsulfonyl)ethyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;
- 2-methyl-1-[6-(methylsulfonyl)hexyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;
- 1-[5-(phenylsulfonyl)pentyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;
- 1-[5-(methylsulfonyl)pentyl]-2-(trifluoromethyl)-1*H*-imidazo[4,5-*c*]quinolin-4-amine;
- 2-(2-methoxyethyl)-1-[5-(phenylsulfonyl)pentyl]-1H-imidazo[4,5-c]quinolin-4-amine;
- 2-ethyl-1-[4-(pyrimidin-2-ylthio)butyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;
- 2-ethyl-1-[4-(pyrimidin-2-ylsulfonyl)butyl]-1H-imidazo[4,5-c]quinolin-4-amine;
- 2-methyl-1-[4-(methylsulfonyl)butyl]-6,7,8,9-tetrahydro-1*H*-imidazo[4,5-*c*]quinolin-4-amine;
- 2-methyl-1-[5-(methylsulfonyl)pentyl]-6,7,8,9-tetrahydro-1*H*-imidazo[4,5-*c*]quinolin-4-amine;
- <u>2-methyl-1-{4-[(1-methylethyl)sulfonyl]butyl}-6,7,8,9-tetrahydro-1*H*-imidazo[4,5-*c*]quinolin-4-amine;</u>
- 2-methyl-1-{4-[(4-fluorophenyl)sulfonyl]butyl}-6,7,8,9-tetrahydro-1*H*-imidazo[4,5-*c*]quinolin-4-amine; and
- 2-methyl-1-{4-[(1,1-dimethylethyl)sulfonyl]butyl}-6,7,8,9-tetrahydro-1*H*-imidazo[4,5-c]quinolin-4-amine;
- or a pharmaceutically acceptable salt thereof, that induces cytokine biosynthesis.
- 45-48 (canceled)
- 49 (new) A compound selected from the group consisting of
- 2-ethyl-1-[2-(methylsulfonyl)ethyl]-1*H*-imidazo[4,5-*c*]quinolin-4-amine;

- 2-butyl-1-[2-(propylsulfonyl)ethyl]-1*H*-imidazo[4,5-*c*]quinoline-4-amine;
- 2-butyl-1-[2-(ethylsulfonyl)ethyl]-1*H*-imidazo[4,5-*c*]quinoline-4-amine;
- 2-methyl-1-[5-(methylsulfonyl)pentyl]-6,7,8,9-tetrahydro-1H-imidazo[4,5-c]quinolin-4-amine; or a pharmaceutically acceptable salt thereof.
- 50 (new) A method of inducing cytokine biosynthesis in an animal comprising administering a compound of claim 49 to the animal in an amount effective for cytokine induction.
- 51 (new) A method of treating a viral disease in an animal in need thereof comprising administering to the animal a therapeutically effective amount of a compound of claim 49 that induces cytokine biosynthesis.
- 52 (new) A method of treating a neoplastic disease in an animal in need thereof comprising administering to the animal a therapeutically effective amount of a compound of claim 49 that induces cytokine biosynthesis.